

Title (en)

POWER CONVERSION APPARATUS, MOTOR DRIVE APPARATUS, AND REFRIGERATING AND AIR-CONDITIONING APPARATUS

Title (de)

LEISTUNGSUMWANDLUNGSVORRICHTUNG, MOTORANTRIEBSVORRICHTUNG SOWIE KÜHL- UND KLIMAAANLAGENVORRICHTUNG

Title (fr)

APPAREIL DE CONVERSION ÉLECTRIQUE, APPAREIL DE COMMANDE DE MOTEUR ET APPAREIL DE RÉFRIGÉRATION ET DE CONDITIONNEMENT DE L'AIR

Publication

**EP 2615732 A1 20130717 (EN)**

Application

**EP 11823389 A 20110818**

Priority

- JP 2010202617 A 20100910
- JP 2011068698 W 20110818

Abstract (en)

A power conversion apparatus includes: a three phase AC reactor that is connected to a three phase AC power supply; a three phase diode bridge; a plurality of smoothing capacitors that are mutually connected in series; bidirectional power switches provided between the AC input side of the three phase diode bridge and an intermediate point of the plurality of smoothing capacitors; and a controller that controls the bidirectional power switches. The controller makes the bidirectional power switch corresponding to the phase of the three phase AC power supply at intermediate electrical potential perform its switching operation for a predetermined interval.

IPC 8 full level

**H02M 7/12** (2006.01)

CPC (source: EP)

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**EP 2615732 A1 20130717**; **EP 2615732 A4 20170628**; CN 103098362 A 20130508; CN 103098362 B 20160302; JP 2012060801 A 20120322; JP 5557660 B2 20140723; WO 2012032910 A1 20120315

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